

138 fb⁻¹ (13 TeV)

CMS

SR-3 ℓ - $t\bar{t}t\bar{t}$

Postfit SM



Data



$t\bar{t}W$



$t\bar{t}H$



Other



$t\bar{t}t\bar{t} + ttt$



$t\bar{t}Z$



NP



Total unc.

Yukawa ($\kappa_t = 1.41$, $\tilde{\kappa}_t = 0$)

Yukawa ($\kappa_t = 1$, $\tilde{\kappa}_t = 1$)

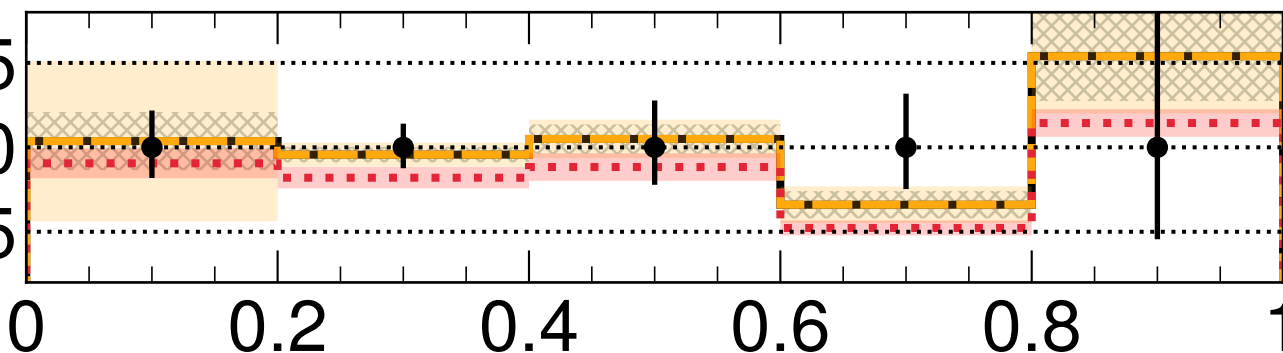
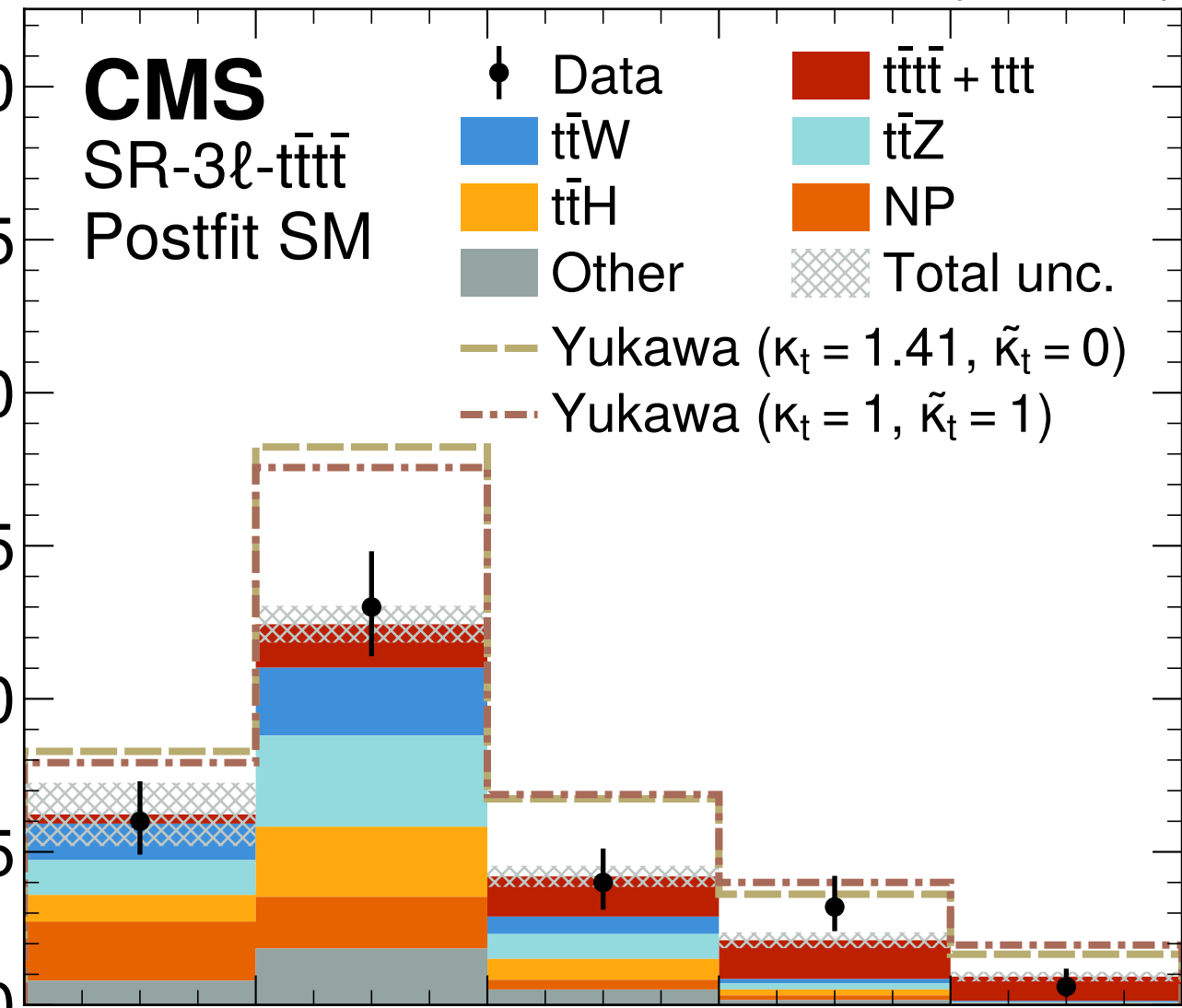
Events / 0.2 units

Ratio to data

— SM

— Yukawa

... Prefit



BDT score $t\bar{t}t\bar{t}$